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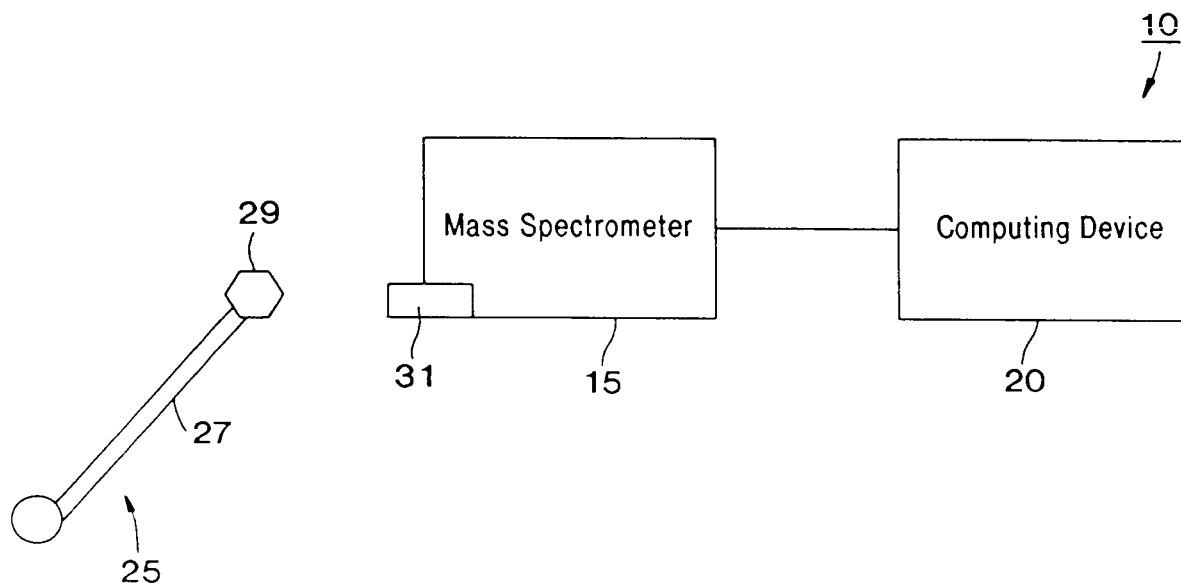
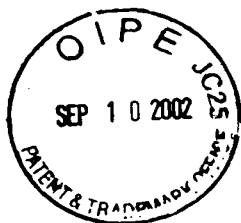


FIG. 1

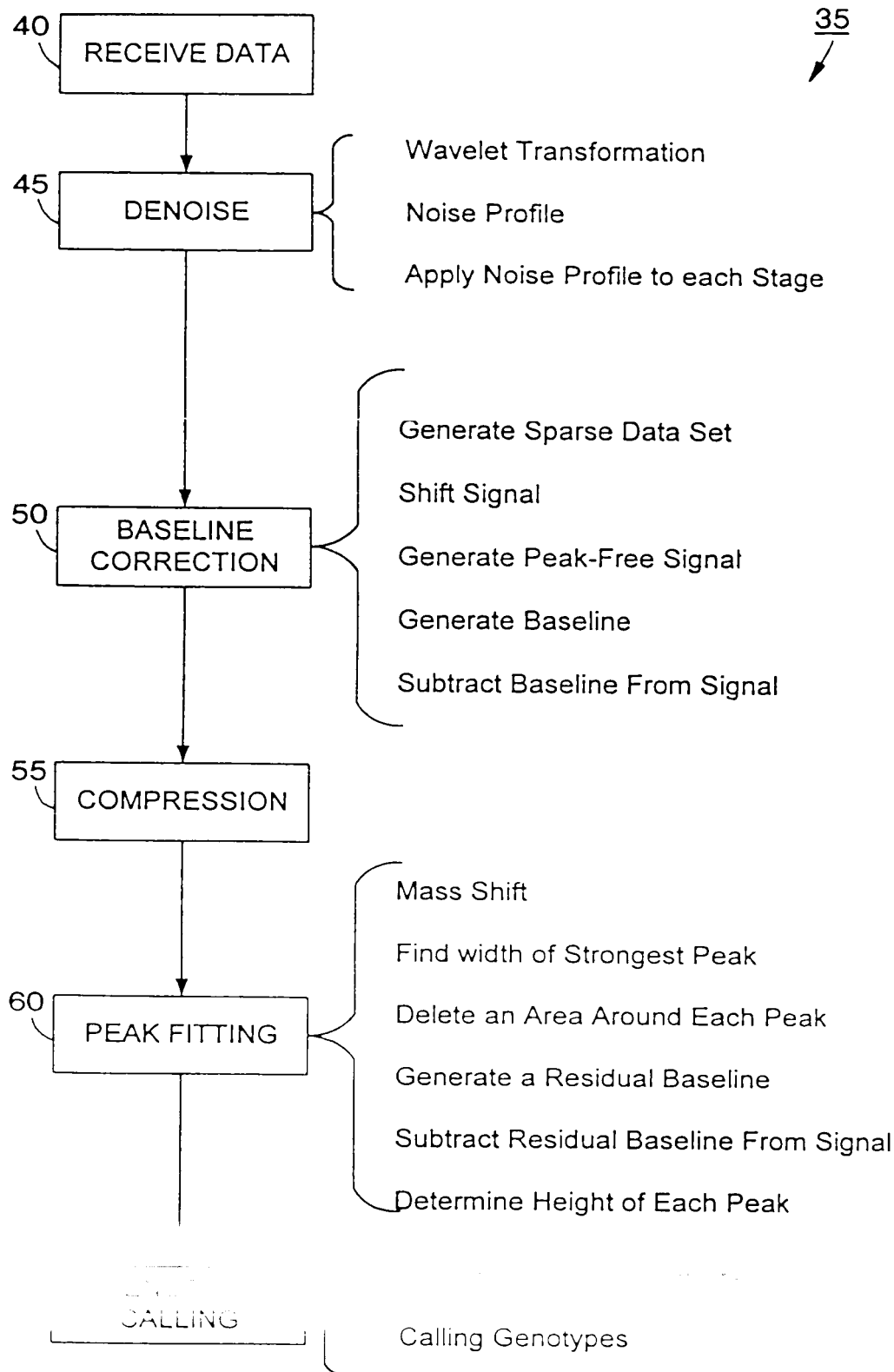
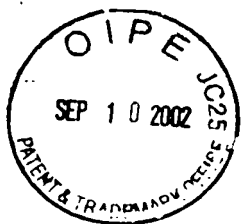
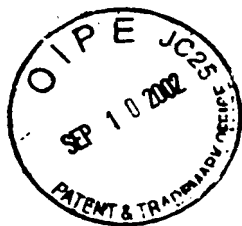


FIG. 2



SHEET 3 OF 17
HELLER EIDMAN WIDDE & MCAULIFF LLP
METHOD AND DEVICE FOR IDENTIFYING A
BIOLOGICAL SAMPLE

Applicant: Yip
Serial No. 09/663,968 Filed: September 19, 2000
Our Docket No.: 24736-2049

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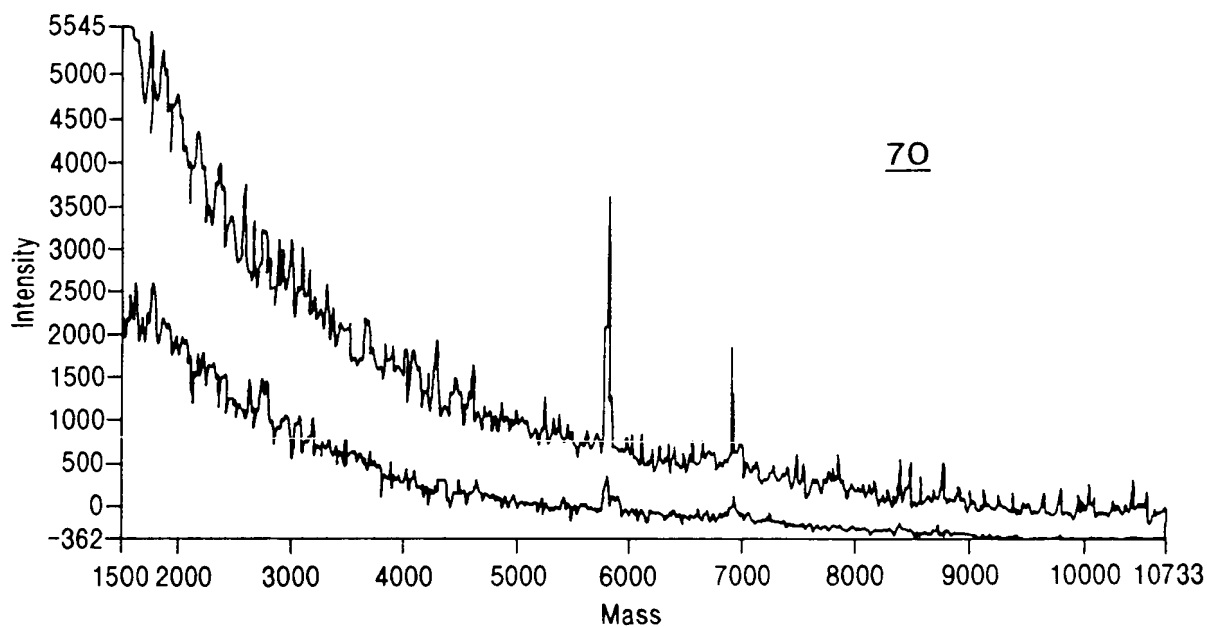


FIG. 3

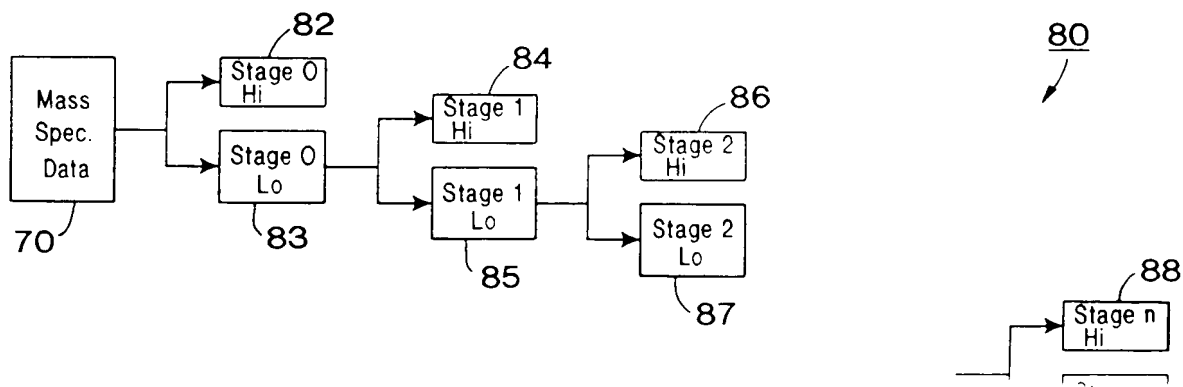
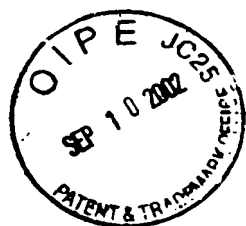


FIG. 4



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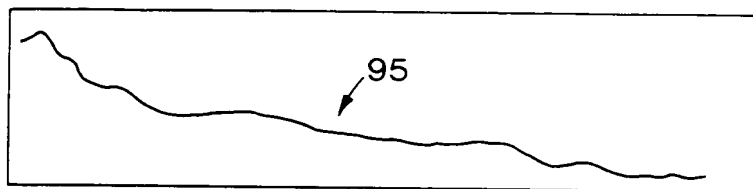


FIG. 5

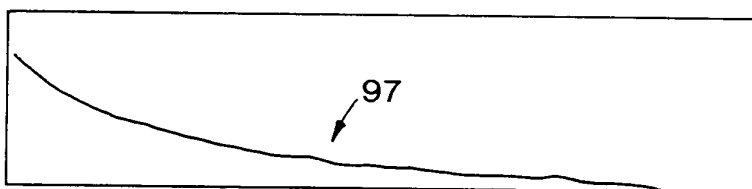


FIG. 6

Exp fitting
 $a_0 + a_1 \exp(-a_2 m)$

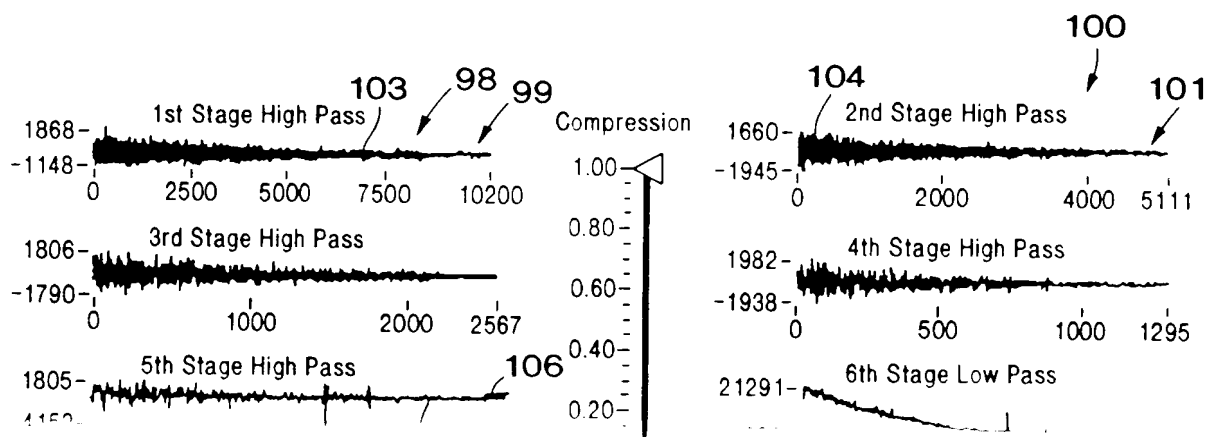
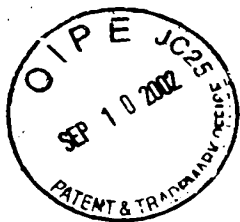
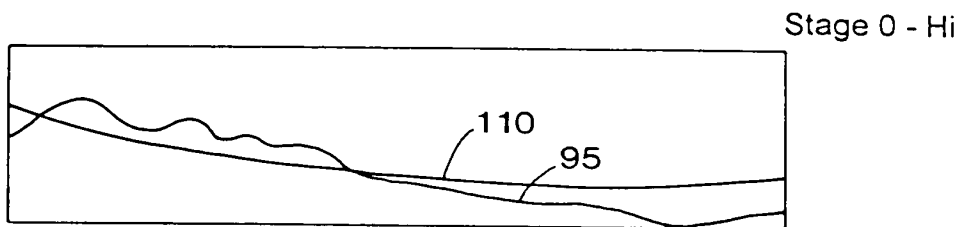


FIG. 7

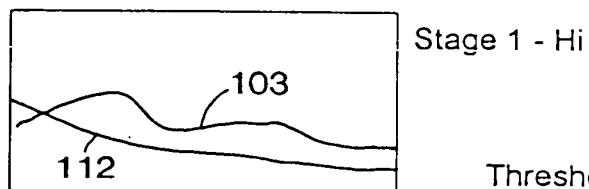


SHEET 8 OF 17
 HELLERREIMAN WHITE & MEALING LLP
 METHOD AND DEVICE FOR IDENTIFYING A
 BIOLOGICAL SAMPLE

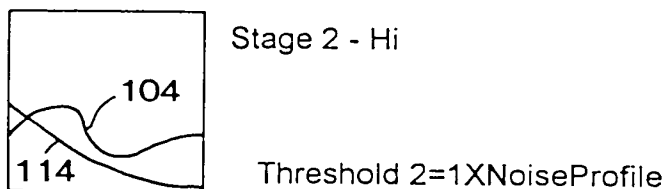
Applicant: Yip
 Serial No. 09/663,968 Filed: September 19, 2003
 Our Docket No.: 24736-2049



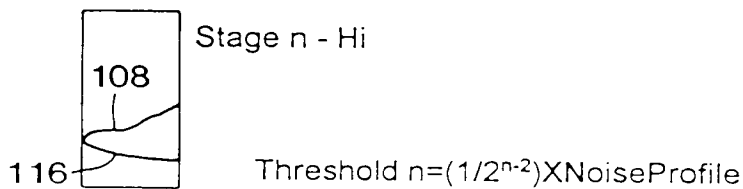
Threshold 0=4XNoiseProfile



Threshold 1=2XNoiseProfile



Threshold 2=1XNoiseProfile



Threshold $n=(1/2^{n-2})XNoiseProfile$

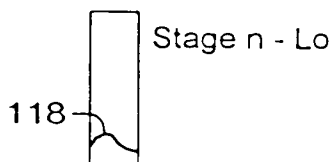


FIG. 8

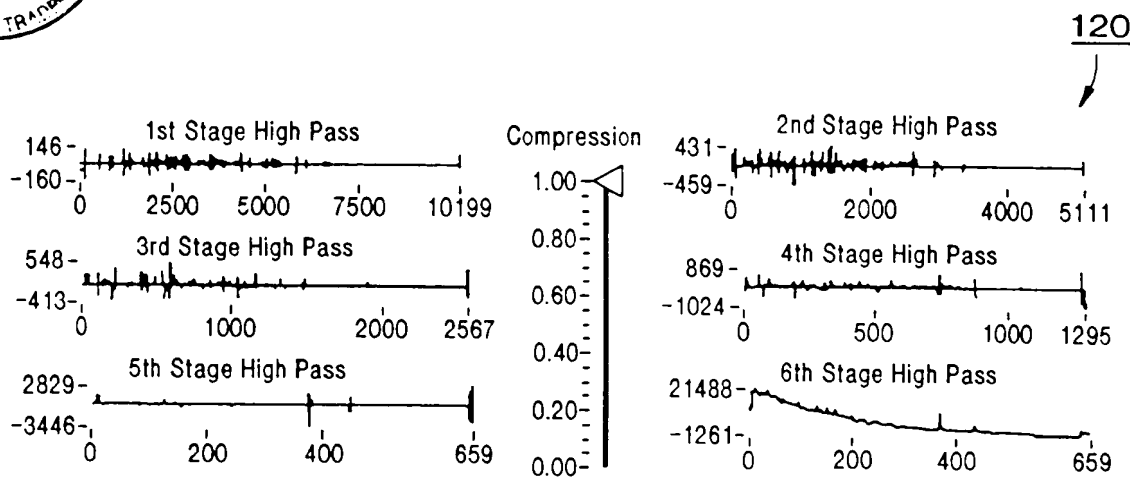
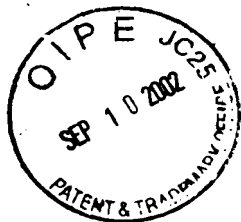


FIG. 9

SHIFT SIGNAL TO ACCOUNT FOR VARIATIONS DUE TO STARTING POINT

$$\text{Signal}(t) = \frac{(\text{Start } 0(t) + \text{Start } 1(t) + \text{Start } 2(t) \dots + \text{Start } 23(t))}{24}$$

FIG. 10

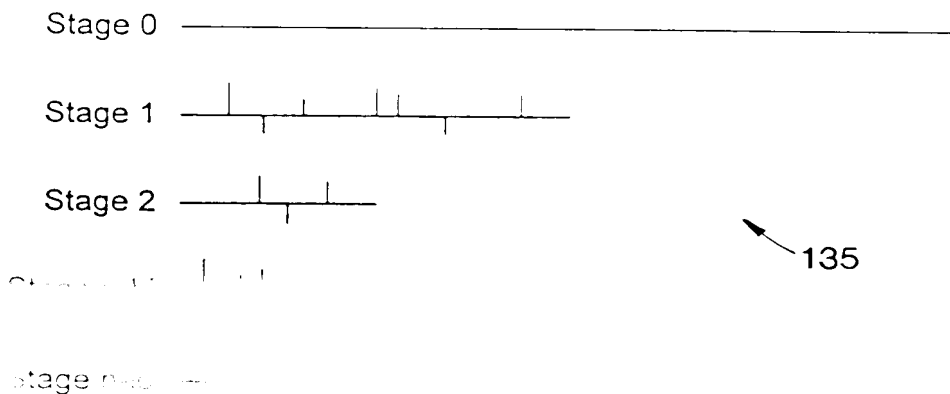


FIG 11



SHEET 17 OF 17
Title: HELLER EDWARDS WHITE & MCALIFF LLP
METHOD AND DEVICE FOR IDENTIFYING A
BIOLOGICAL SAMPLE.
Applicant: Yip
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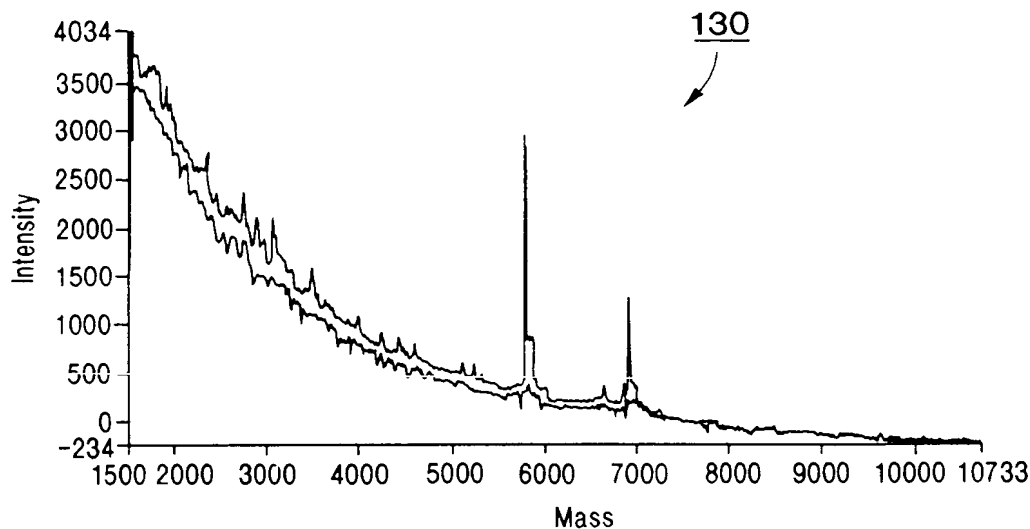
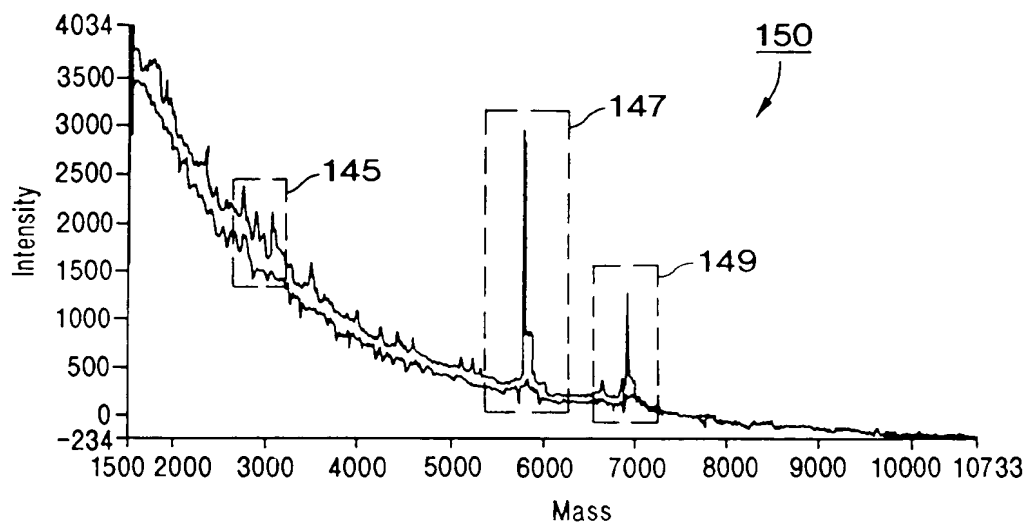


FIG. 12

TAKE A MOVING AVERAGE, REMOVE SECTIONS EXCEEDING A THRESHOLD





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FIND MINIMA IN REMAINING SIGNALS AND CONNECT TO FORM A PEAK FREE SIGNAL

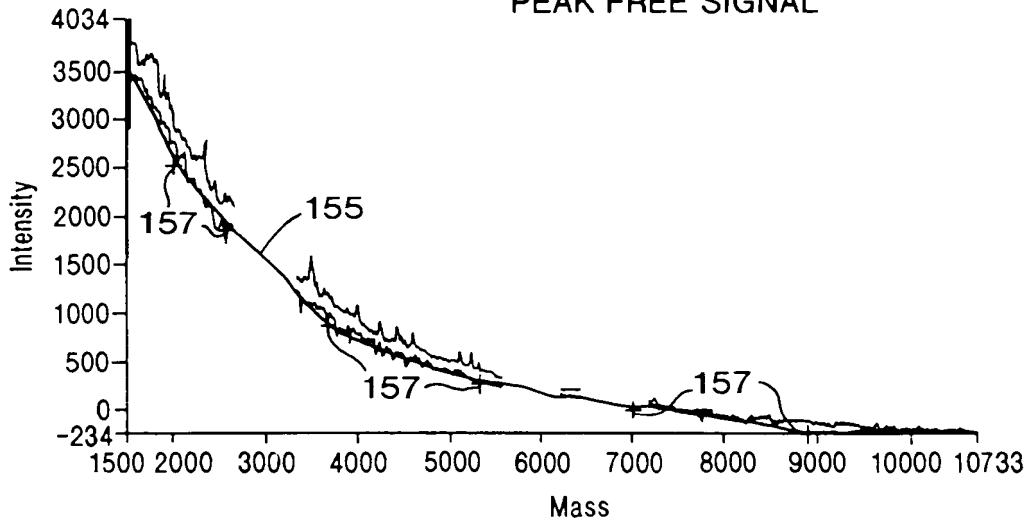


FIG. 14

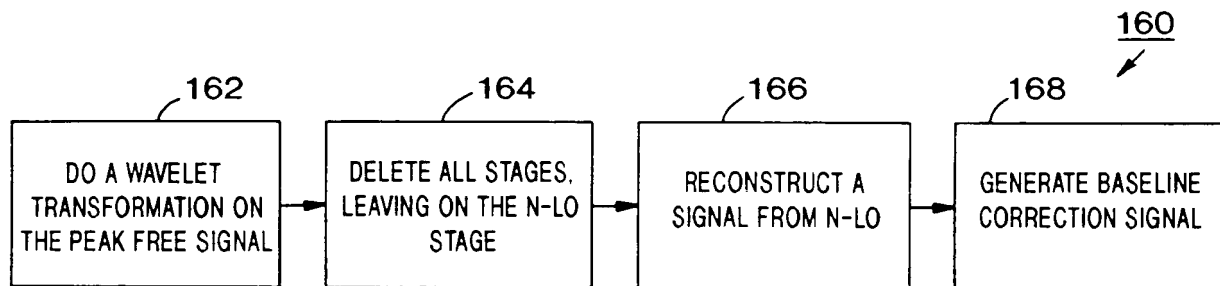


FIG. 15

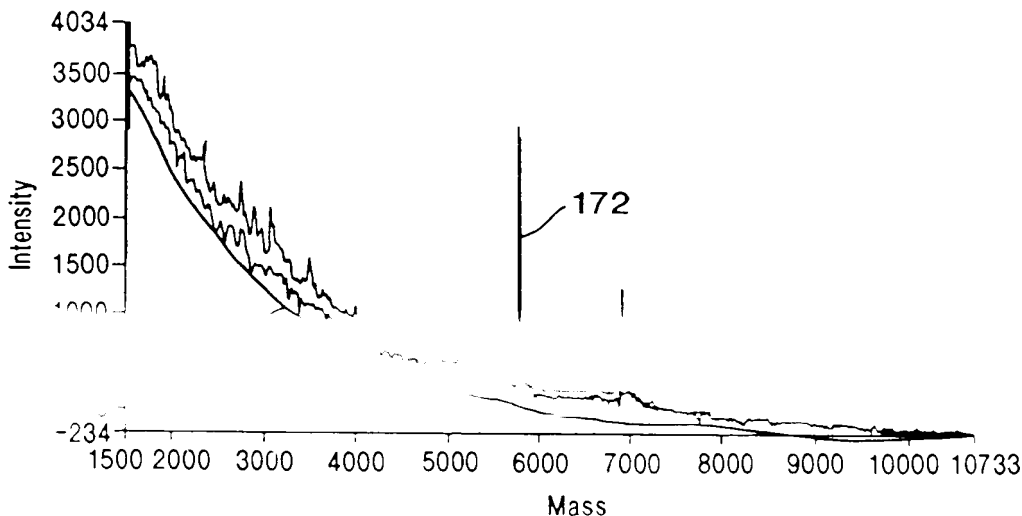


FIG. 16

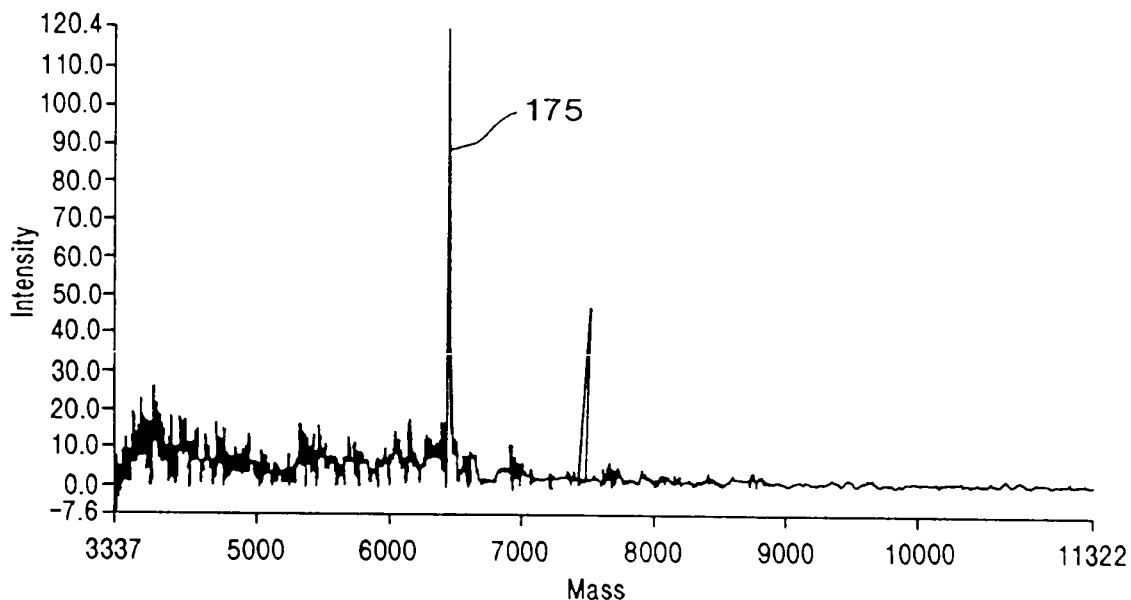


FIG. 17

NON-0 COEFFICIENTS		VALUE	INTERMEDIATE		RELATIVE
183	100	25	100.025	100.025	100.025
	150	220	150.220	50.220	50.220
	500	.1	500.0001	350.0001	350.0001
	10,050	800	10,050.8	9550.8	9550.8
	10,075	890	10,075.89	25.89	25.89
	11,125	910	11,125.91	150.91	150.91
	12,100	1000 (MAX)	12,100.99999	975.99999	975.99999
	13,250	940	13,250.94	1150.94	1150.94

FIG. 18



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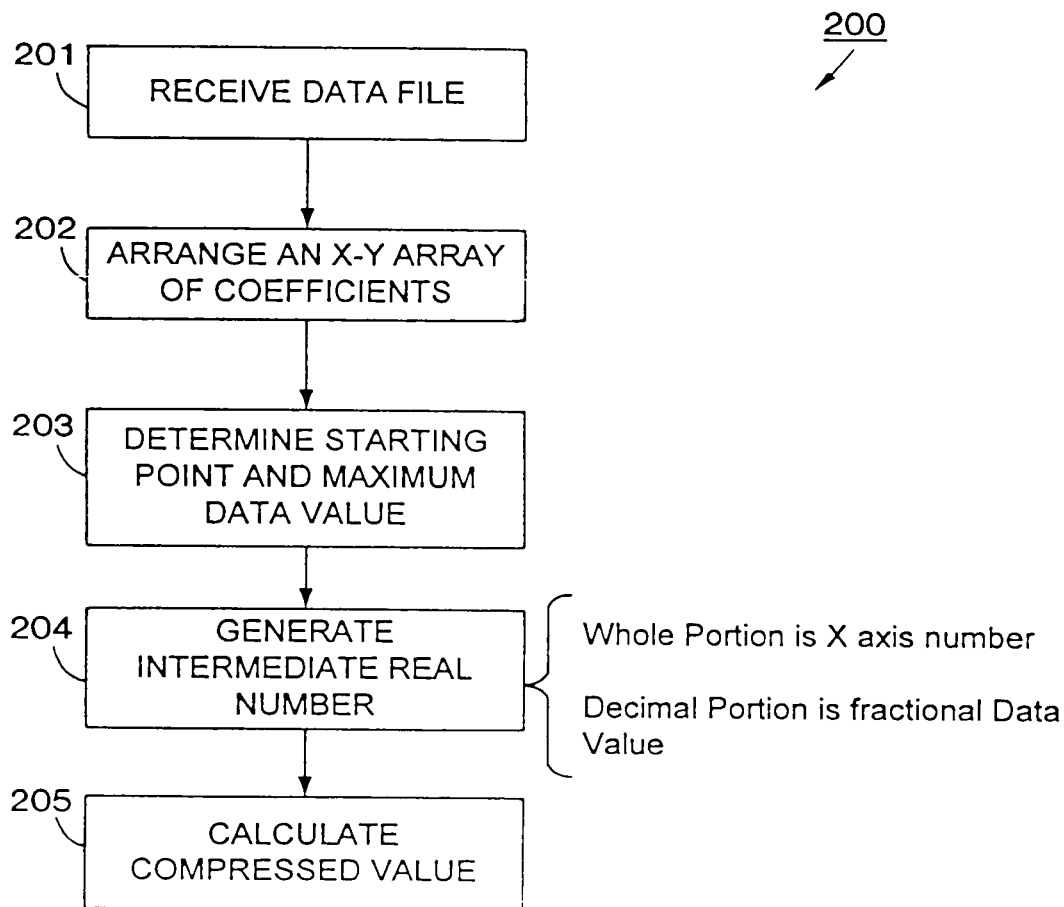


FIG. 19

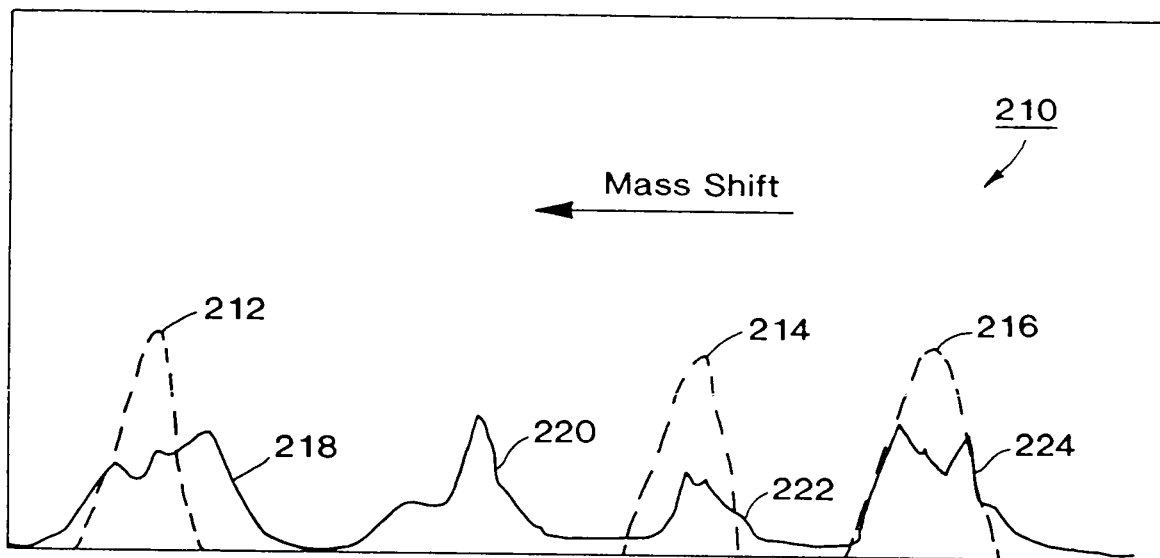


FIG. 20

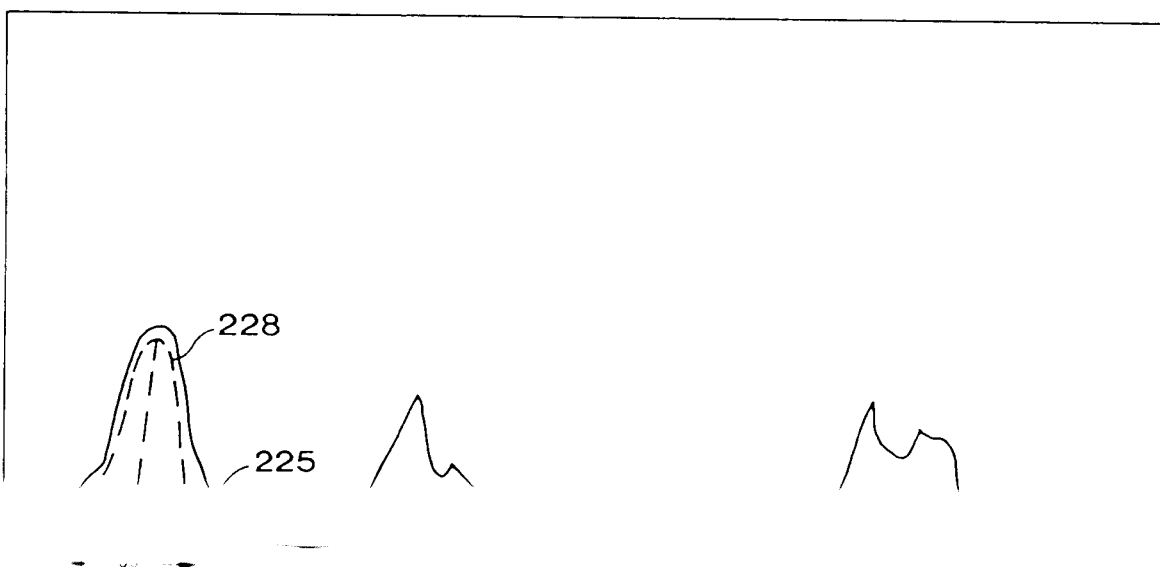
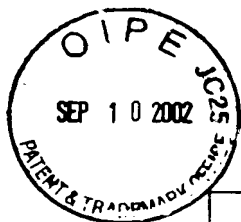


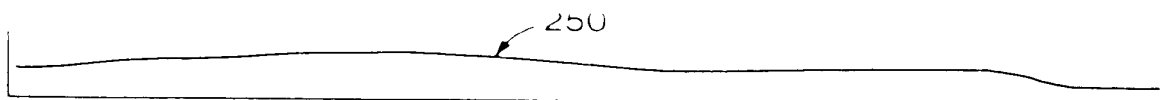
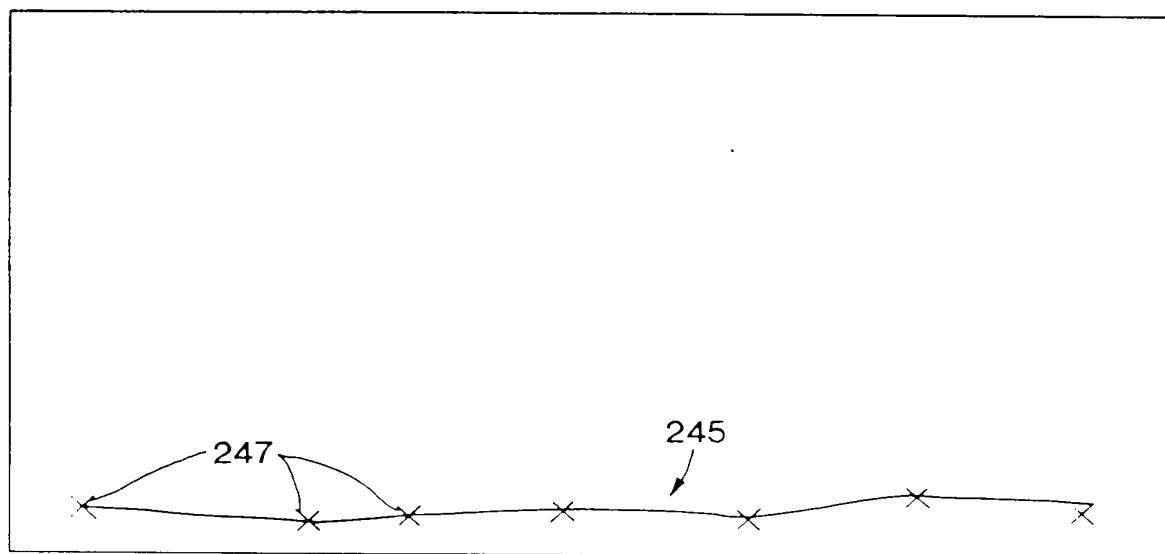
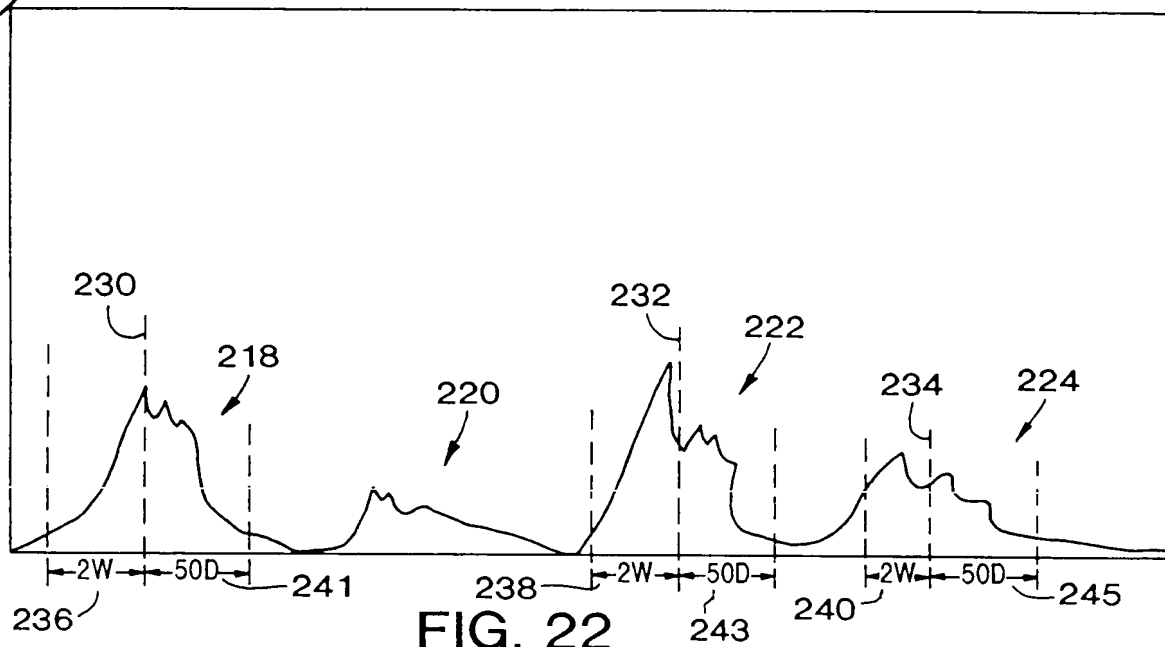
FIG. 21



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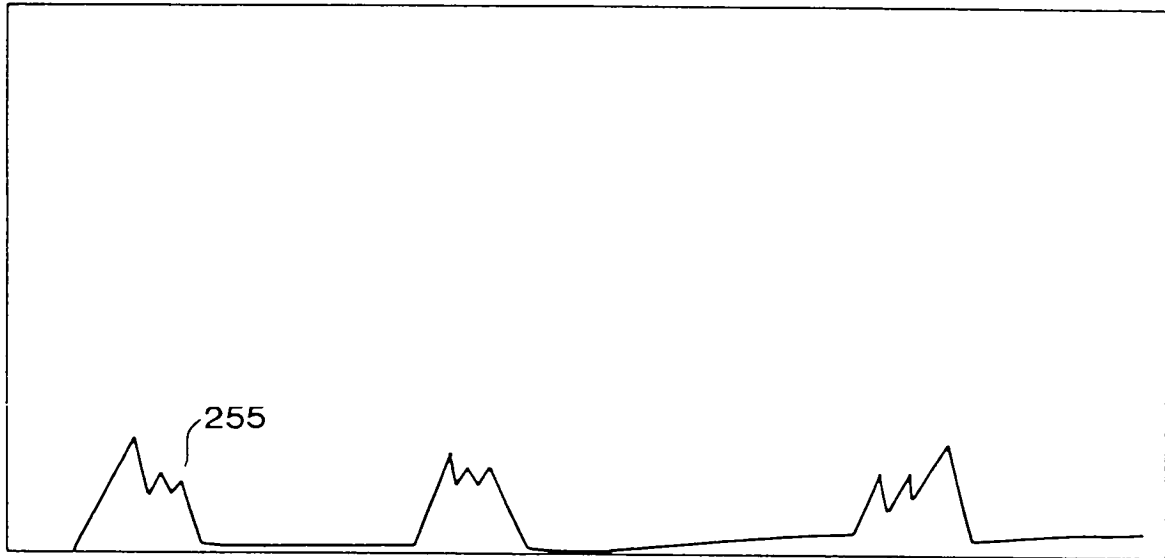


FIG. 25

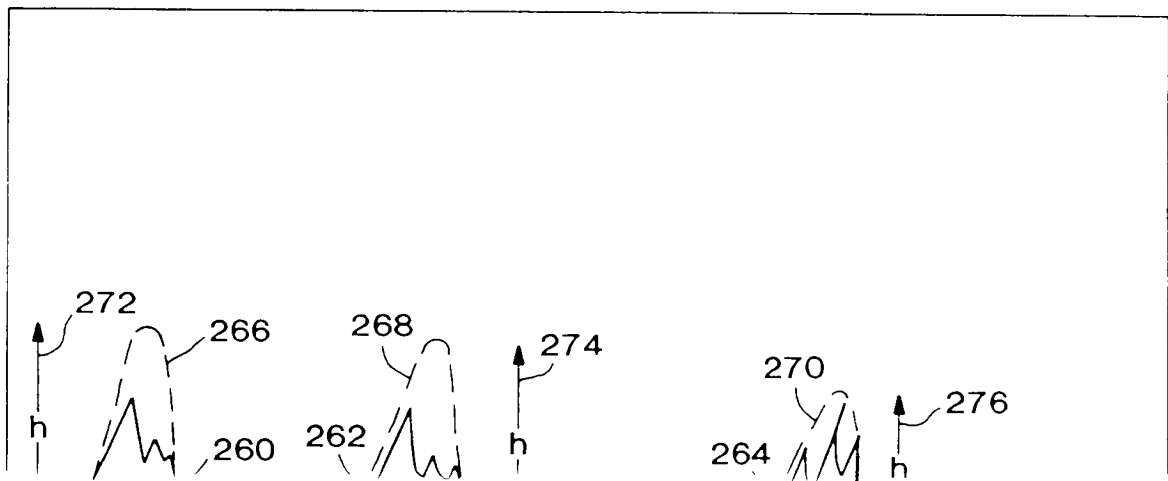


FIG. 26



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BELLER EHRMAN WHITE & MCALPHEE LLP
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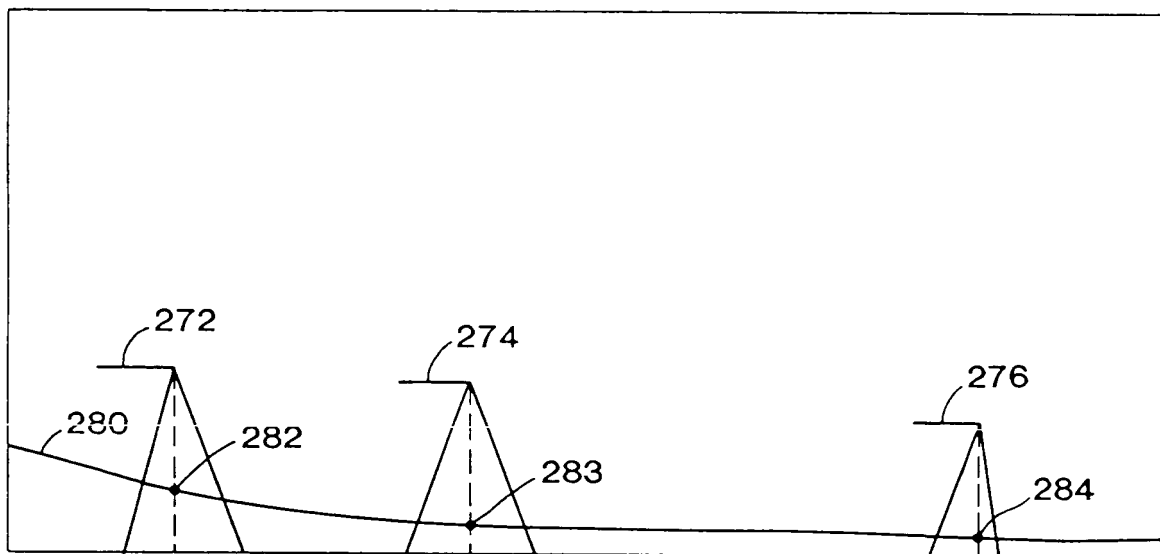


FIG. 27

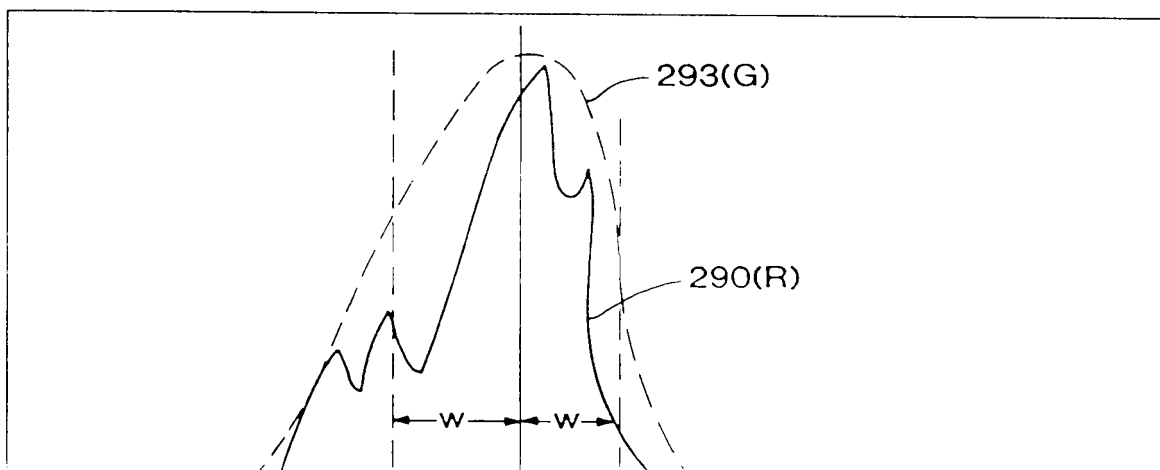


FIG. 28

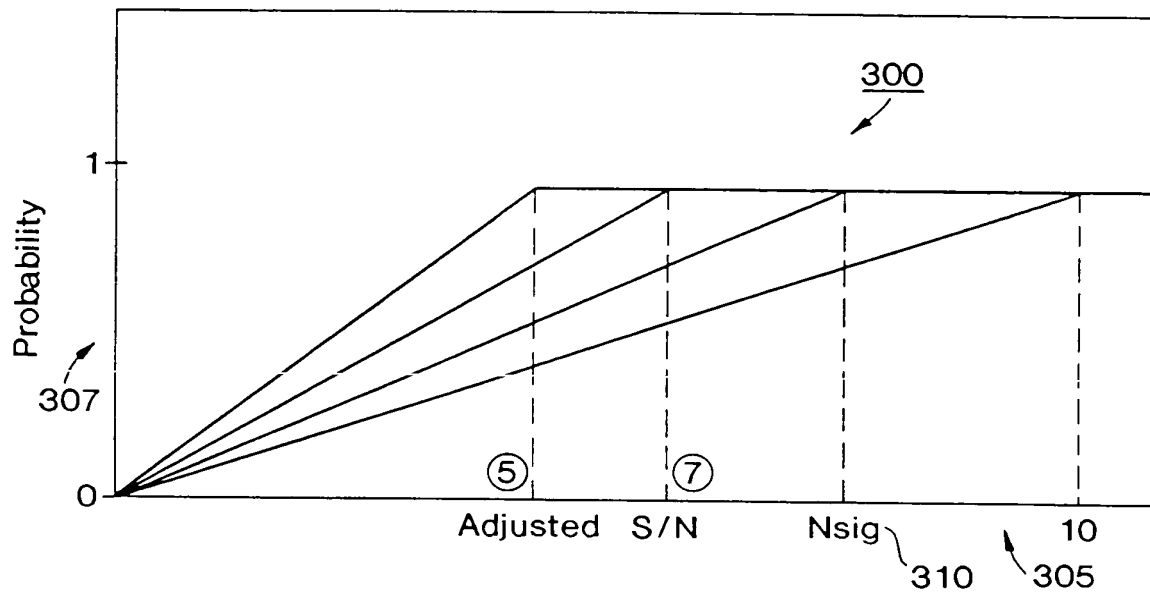


FIG. 29

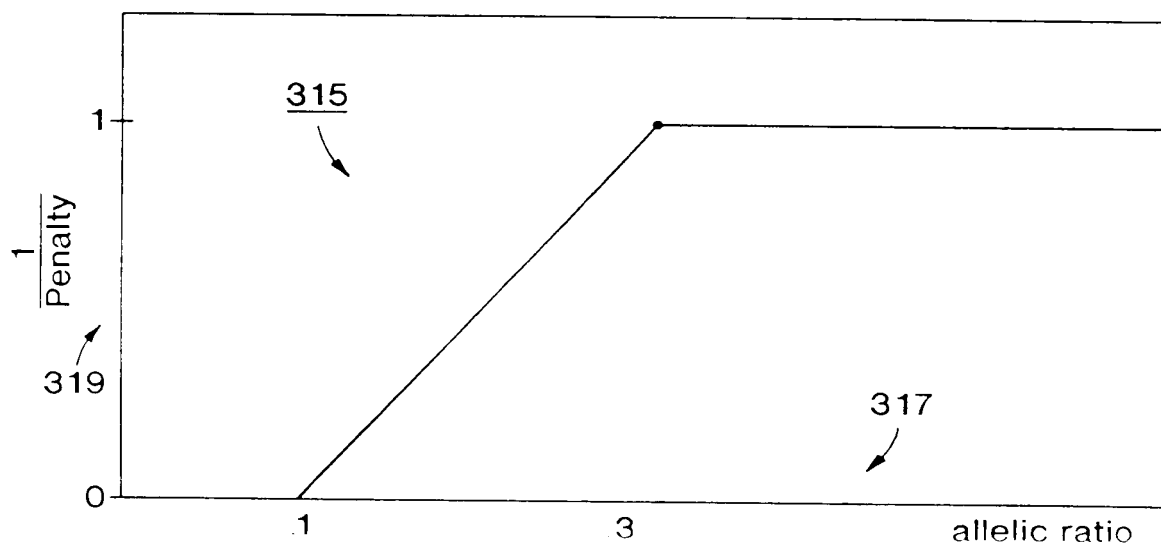


FIG. 30

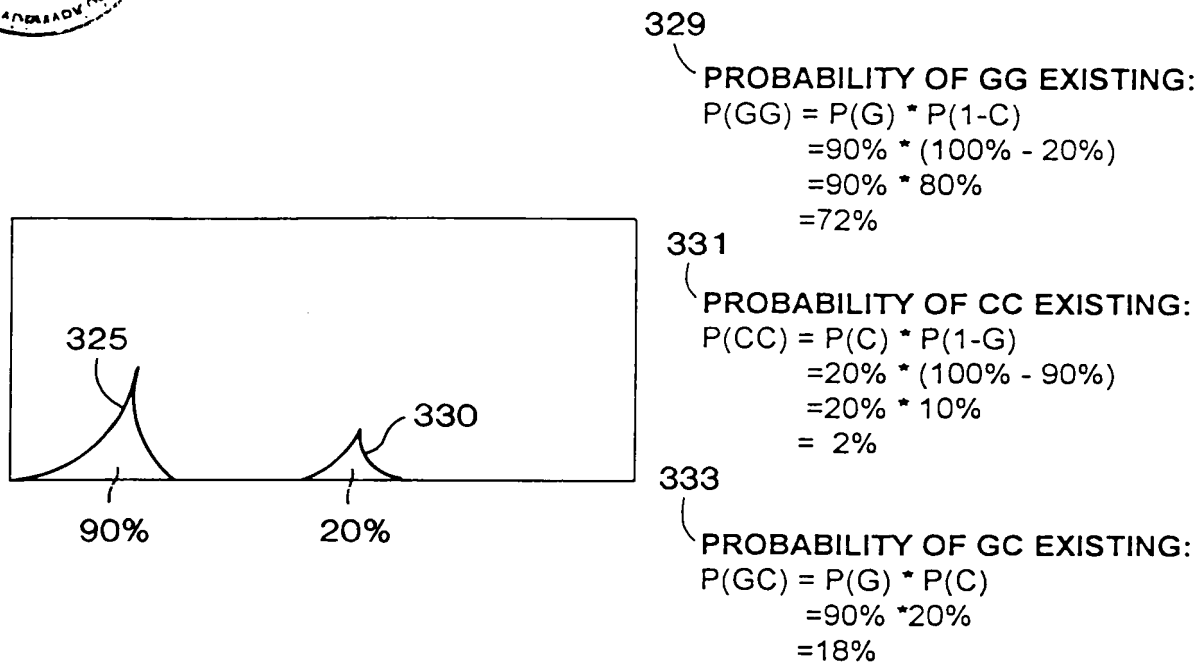


FIG. 31

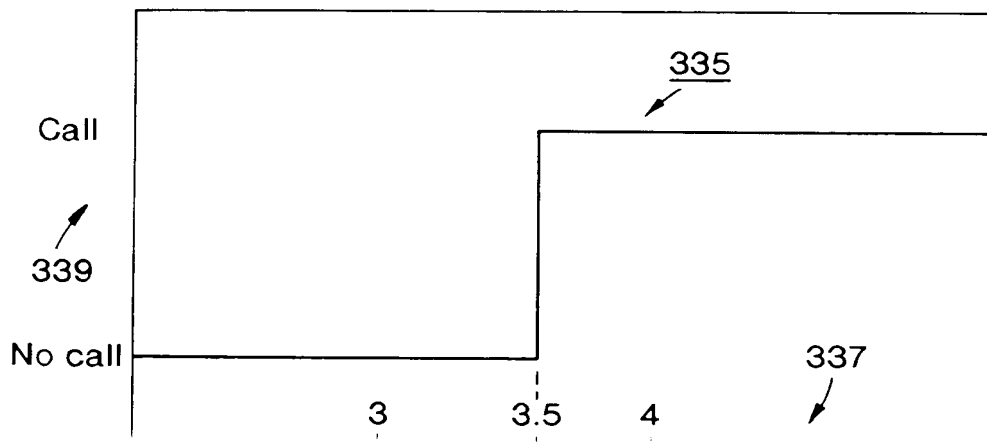


FIG. 32



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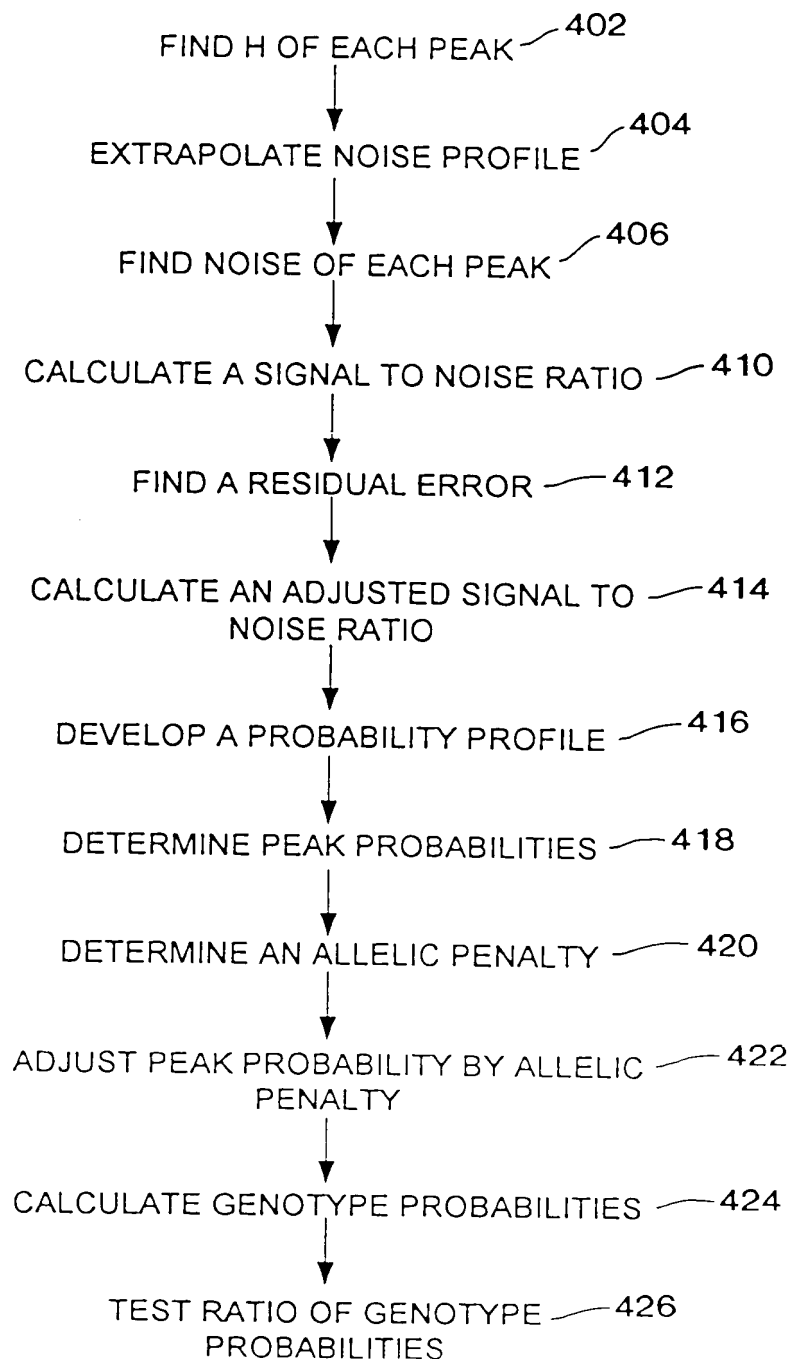


FIG. 33